

Title (en)
IMPROVEMENTS IN OR RELATING TO PLASTICISER COMPOSITIONS

Title (de)
VERBESSERUNGEN BEI ODER BEZÜGLICH WEICHMACHERZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DE PLASTIFIANT AMELIOREES

Publication
EP 1846492 B1 20141001 (EN)

Application
EP 06700944 A 20060118

Priority
• EP 2006000478 W 20060118
• US 64516105 P 20050118

Abstract (en)
[origin: WO2006077131A1] C9 to C11 alkyl benzoates are used as plasticisers for polyvinyl chloride in particular in combination with plasticisers such as di-2-ethyl hexyl phthalate, diisononyl phthalate, di-2-propyl heptyl phthalate, diisodecyl phthalate or di-2-ethyl hexyl terephthalate. The use of the C9 to C11 alkyl benzoates provides low viscosity low volatility plasticisers, which are fast fusing with lower hot bench gelation temperature and which can be used to reduce the staining problems associated with use of di-2-ethyl hexyl phthalate and diisononyl phthalate. The low viscosity of the C9 to C11 alkyl benzoates allows the formulation of solvent free flexible PVC formulations meeting stringent VOC limitations.

IPC 8 full level
C08K 5/101 (2006.01); **C08L 27/06** (2006.01)

CPC (source: EP US)
C08K 5/101 (2013.01 - EP US); **C08K 2201/014** (2013.01 - EP US); **C08L 27/06** (2013.01 - EP US); **Y10T 428/31504** (2015.04 - EP US)

Cited by
WO2021202876A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
YU

DOCDB simple family (publication)
WO 2006077131 A1 20060727; CN 101107306 A 20080116; CN 101107306 B 20120620; EP 1846492 A1 20071024; EP 1846492 B1 20141001; RU 2007131502 A 20090227; RU 2401847 C2 20101020; US 2008234414 A1 20080925; US 2010048778 A1 20100225; US 7629413 B2 20091208

DOCDB simple family (application)
EP 2006000478 W 20060118; CN 200680002532 A 20060118; EP 06700944 A 20060118; RU 2007131502 A 20060118; US 60714509 A 20091028; US 79203406 A 20060118